

CLAIMS

14. (Amended) A method of manufacturing a retro-reflecting shell having a curved or irregular surface ~~with the capability of~~ for reflecting light in all directions, the method comprising the steps of:

(a) mixing transparent glass or plastic pearls having a diameter between 0.01 and 0.05 mm in an adhesive transparent substance to form a mixture having a predetermined consistency enabling transference to a sheet;

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(b) transferring said mixture to a plane sheet of transparent plastic to form a reflecting layer of pearls at least partially embedded in said adhesive transparent substance being applied to said sheet of plastic, said adhesive transparent substance ~~being~~ capable of adhering to said pearls as well as said plastic sheet; and

(c) subjecting said reflecting layer and said plane sheet of transparent plastic adjacent on one side thereof to vacuum forming to a shape corresponding to a curved or irregular surface.

15. (Previously Added) A method as recited in claim 14, wherein said mixture of pearls is transferred to said plane sheet of transparent plastic by means of screen printing.

16. (Previously Added) A method as recited in claim 14, including the step of curing said adhesive transparent substance prior to said step of vacuum forming.

17. (Amended) A method as recited in claim 14, including the step of applying a layer of transparent plastic to the other side of said reflecting layer of ~~glass or~~ pearls, opposite to said plane sheet of transparent plastic prior to said step of vacuum forming.

C 1 18. (Withdrawn) A method as recited in claim 14, wherein prior to said step of vacuum forming, said adhesive substance is applied as a first and a second surrounding layer surrounding said layer of pearls, said first surrounding layer being applied adjacent to said plane sheet of transparent plastic.

19. (Withdrawn) A method as recited in claim 18, wherein said pearls in said reflecting layer form a monolayer.

20. (Previously Added) A method as recited in claim 14, wherein said transparent plastic comprises polyvinyl chloride or polyester.

21. (Amended) A method as recited in claim 14, wherein said ~~layer of~~ transparent plastic comprises polyvinyl chloride and said

transparent plastic ~~layer~~ is high-frequency welded to said reflecting layer.

22. (Previously Added) A method as recited in claim 14, wherein said adhesive transparent substance is a lacquer.

23. (Withdrawn) A method as recited in claim 18 wherein said lacquer is a type of lacquer capable for use in screen printing.

C¹ 24. (Withdrawn) A method as recited in claim 14, including the step of applying a high gloss material layer adjacent to said second surrounding layer of adhesive substance opposite to said reflecting layer of pearls prior to said step of vacuum forming.

25. (Previously Added) A method as in claim 14, including the step of applying a layer of transparent dye adjacent to said plane sheet of transparent plastic prior to said step of vacuum forming.

26. (Withdrawn) A method as recited in claim 18, wherein said high gloss material layer comprises aluminum particles.
